

Message Text

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PAGE 01 STATE 074688
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FM SECSTATE WASHDC
TO AMEMBASSY OTTAWA PRIORITY

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E.O. 11652: N/A

TAGS: TSPA:OCLR

SUBJECT: REQUEST FOR AIRCRAFT CLEARANCE

1. AS PART OF THE NASA GLOBAL AIR SAMPLING PROGRAM (GASP) NASA PLANS SERIES OF FLIGHTS (APPROX. MAY 10-18) USING F-106 AIRCRAFT TO OBTAIN DATA IN THE STRATOSPHERE AT A NORTHERN LATITUDE. AIRCRAFT IS EQUIPPED WITH AIR SAMPLING APPARATUS FOR CAPTURING WHOLE AIR SPECIMENS AND COLLECTING AEROSOLS AND PARTICULATES ON FILTERS. SPECIFIC INSTRUMENTATION ABROAD INCLUDES DATA LOGGER FOR PRINTOUT OF ALTITUDE PRESSURES AND TEMPERATURES ASSOCIATED WITH A VENTURI FLOW MEASUREMENT IN THE FILTER FLOW LINE AND VALVE POSITION LIMIT SWITCH READOUT.

2. FILTER SAMPLES ARE OBTAINED AT ALTITUDES OF 11.9 -
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13.7 KM AND BOTTLE SAMPLES AT ALTITUDES OF 12.2 - 15"2 KM. A POD IS MOUNTED ON EACH WING OF AIRCRAFT CONTAINING SINGLE FILTER MECHANISM CONNECTED IN A SAMPLE FLOW LINE WITH INLET AND EXIT VALVES ON EACH END. MECHANISM IS ACTIVATED AT SELECTED ALTITUDE TO EXPOSE FILTER PAPER DISC TO AMBIENT AIRFLOW FOR UP TO 90 MINUTES.

3. WHOLE AIR SAMPLES ARE OBTAINED WITH TWO SAMPLE BOTTLE UNITS THAT ARE MOUNTED WITHIN THE FUSELAGE AND ARE CONNECTED TO A PITOT-TYPE INLET PROBE.

4. PRESENT PLANS CALL FOR SERIES OF FLIGHTS FROM ELMENDORF AFB ALASKA MAY 10-18. TO REACH BASE NECESSARY TO OVERFLY PROVINCE OF BRITISH COLUMBIA WITH POSSIBLE OVERNIGHT STOP AT COMOX, B.C. AIRCRAFT WILL ENTER CANADIAN AIRSPACE ON FLIGHT PATH OVER BELLINGHAM WASHINGTON DIRECT TO COMOX. B.C. DEPARTING COMOX AIRCRAFT WILL FLY DIRECT ROUTE TO MALCOM, THEN VIA HL-523 TO SANDSPIT, HL-501/J - 501 TO BIORKA ISLAND AND J-133 TO ELMENDORF. RETURN FLIGHT FROM ELMENDORF WOULD ALSO BE VIA COMOX, B.C.

5. FLIGHT ALTITUDES NOMINALLY 40,000 FEET.

6. AIRCRAFT IS F-106-B TYPE REGISTRY NUMBER N607NA, CALL SIGN NASA 607.

7. AIRCRAFT CARRIES CREW OF TWO NASA CIVILIANS BOTH U.S. CITIZENS.

8. GROUND SUPPORT SERVICES REQUIRED AT COMOX, B.C. ARE HIGH AND LOW PRESSURE AIR AND JP-4 FUEL WITH SINGLE POINT REFUELING.

9. PILOT WILL FILE INTERNATIONAL FLIGHT PLANS.

10. PLEASE OBTAIN NECESSARY CLEARANCES, (OVERFLIGHT AND UNCLASSIFIED

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LANDING) PLUS OR MINUS ONE WEEK AND ADVISE. ALSO PLEASE INDICATE ABILITY OF COMOX TO SUPPORT PER PARA 8.
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Message Attributes

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Disposition Approved on Date:
Disposition Case Number: n/a
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